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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/699,876

11/04/2003

Satoshi Nishikawa

00862.023296.

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01/05/2010

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EXAMINER

WILLS, LAWRENCE E

ART UNIT

PAPER NUMBER

2625

MAIL DATE

DELIVERY MODE

01/05/2010

PAPER

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

<b>Office Action Summary</b>	<b>Application No.</b> 10/699,876	<b>Applicant(s)</b> NISHIKAWA, SATOSHI	
	<b>Examiner</b> LAWRENCE E. WILLS	<b>Art Unit</b> 2625	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

#### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

#### Status

- 1) ☒ Responsive to communication(s) filed on 20 October 2009.
- 2a) ☒ This action is **FINAL**.                      2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

#### Disposition of Claims

- 4) ☒ Claim(s) 1,4,11,14,21,24 and 31-33 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1,4,11,14,21,24 and 31-33 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

#### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

#### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All    b) ☐ Some \*    c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

#### Attachment(s)

- |   |   |
|---|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892)                    | 4) <input type="checkbox"/> Interview Summary (PTO-413)           |
| 2) <input type="checkbox"/> Notice of Draftperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____                                      |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)         | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date _____   | 6) <input type="checkbox"/> Other: _____                          |

***Response to Arguments***

1. Applicant's arguments filed October 20, 2009 have been fully considered but they are not persuasive.

a. However, Perry fails to disclose or suggest determining whether the printer can change a print mode in processing of the print data based on performance information of the printer acquired from the printer before the print data is sent and then generating print data including a color mode changing command based on the determination in order for the printer to control the mode of color printing as featured in the present claims.

However, Perry'190 teaches wherein a processing mode is a color mode (notice in Fig. 6B Exception pages can be printed in grayscale or monochrome, or can be printed in color); a determining unit (530, Fig. 2) configured to determine whether the printer can change a print mode in processing of the print data based on performance information (held by an operator/ineligible for printing, column 4, lines 54-85) of the printer acquired from the printer before the print data is sent (notice the print job status information section and buffer section of column 4, lines 54-58)

***Claim Rejections - 35 USC § 103***

2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

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3. Claims 1, 4, 11, 14, 21, 24, and 31-33 rejected under 35 U.S.C. 103(a) as being unpatentable over Petz (WO 2002/82362 A2—US Patent Application Pub. No. 2004/0187087 is used in lieu of English translation) in view of Perry (US Patent No. 7,159,190).

Regarding claims 1, 11, and 21 Petz'081 teaches an information processing apparatus comprising: a first display unit configured to display a first setting screen to set an entire processing mode defining a processing mode to be applied to the entire document data (Fig. 12, Document Screen, sets processing for a whole document); a second display unit configured to display a second setting screen to set a chapter processing mode defining the processing mode to be applied to a selected chapter including a plurality of pages of the document data, wherein the second setting screen is different from the first setting screen (Fig. 12, Existing ranges, Create new range, sets processing for a range of pages or chapters); a third display unit configured to display a third setting screen to set a page processing mode defining the processing mode to be applied to a selected page of the document data, wherein the third setting screen is different from the first setting screen and the second setting screen (Fig. 12, Single pages, sets processing for a single page); and a print data generating unit (print output module, 16, paragraph 0039) configured to generate print data so that a printer prints a printed material on which the processing mode defined by the page processing mode is applied to the selected

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page and the processing mode defined by the chapter processing mode is applied to the selected chapter predetermined and the processing mode defined by the entire processing mode is applied to the remaining portion of the document data to which the page processing mode and the chapter processing mode are not applied when the entire processing mode is set in accordance with an instruction received via the first setting screen displayed by said first display unit and the chapter processing mode is set in accordance with an instruction received via the second setting screen displayed by said second display unit and the page processing mode is set in accordance with an instruction received via the third setting screen displayed by said third display unit (those pages, ranges, or documents in which the respectively automated event should run are then selected in the selection region...it can thereby be provided to completely accept already assembled automatic actions inclusive of the range specifications associated with them, paragraph 0068). Petz'081 fails to teach wherein the processing mode is a color mode.

Perry'190 teaches wherein a processing mode is a color mode (notice in Fig. 6B Exception pages can be printed in grayscale or monochrome, or can be printed in color); a determining unit (530, Fig. 2) configured to determine whether the printer can change a print mode in processing of the print data based on performance information (held by an operator/ineligible for printing, column 4, lines 54-85) of the printer acquired from the printer before the print

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data is sent (notice the print job status information section and buffer section of column 4, lines 54-58)

Having a system of Petz'081 reference and then given the well-established teaching of Perry'190 reference, it would have been obvious to one having ordinary skill in the art at the time the invention was made to modify the hierarchial page processing system of Petz'081 reference to include color quality as taught by Perry'190 reference, since there is a need for printer systems and methods that allow a user to improve the management of numerous print job exception attributes on the exception pages in order to increase worker productivity and reduce page level exceptions programming errors (Perry'190, column 1, lines 60-65).

Regarding claims 4, 14, and 24, Petz'081 fails to teach wherein said printing data generating unit determines whether the printer copes with a change of the color mode, when the printer copes with the change, generates, by using the generating function, printing data containing the instruction of changing the color mode, and when the printer does not cope with the change, generates, by using the generating function, print-data containing no instruction of changing the color mode.

Perry'190 teaches wherein said printing data generating unit determines whether the printer copes with a change of the color mode (print job exception, column 5, lines 44-45), when the printer copes with the change (Step 5000,

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Fig. 3), generates, by using the generating function, printing data containing the instruction of changing the color mode (5030, yes branch, Fig. 4), and when the printer does not cope with the change (5030, no branch, Fig. 4), generates, by using the generating function, print-data containing no instruction of changing the color mode (print job level properties will apply to the entire print job, column 5, lines 29-30).

Having a system of Petz'081 reference and then given the well-established teaching of Perry'190 reference, it would have been obvious to one having ordinary skill in the art at the time the invention was made to modify the hierarchial page processing system of Petz'081 reference to include color quality as taught by Perry'190 reference, since there is a need for printer systems and methods that allow a user to improve the management of numerous print job exception attributes on the exception pages in order to increase worker productivity and reduce page level exceptions programming errors (Perry'190, column 1, lines 60-65).

Regarding claims 31, 32, and 33, Petz'081 fails to teach wherein the entire color mode is set for specifying whether color printing or monochrome printing is performed for the entire document data, and the partial color mode is set for specifying whether color printing or monochrome printing is performed for the predetermined unit of the document data.

Perry'190 teaches wherein the entire color mode is set for specifying whether color printing or monochrome printing is performed for the entire document data (Fig. 5, Job Properties can be set by image quality to be either color or grayscale to an entire document), and the partial color mode is set for specifying whether color printing or monochrome printing is performed for the predetermined unit of the document data (Fig. 5, Job Properties can be set by image quality to be either color or grayscale to an exception page as in Fig. 6B).

Having a system of Petz'081 reference and then given the well-established teaching of Perry'190 reference, it would have been obvious to one having ordinary skill in the art at the time the invention was made to modify the hierarchial page processing system of Petz'081 reference to include color quality as taught by Perry'190 reference, since there is a need for printer systems and methods that allow a user to improve the management of numerous print job exception attributes on the exception pages in order to increase worker productivity and reduce page level exceptions programming errors (Perry'190, column 1, lines 60-65).

### ***Conclusion***

4. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).



A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to LAWRENCE E. WILLS whose telephone number is (571)270-3145. The examiner can normally be reached on Monday-Friday 9:30 AM - 6:00 PM EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, King Poon can be reached on 571-272-7440. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/King Y. Poon/  
Supervisory Patent Examiner, Art Unit 2625

LEW  
January 2, 2010